

1/10

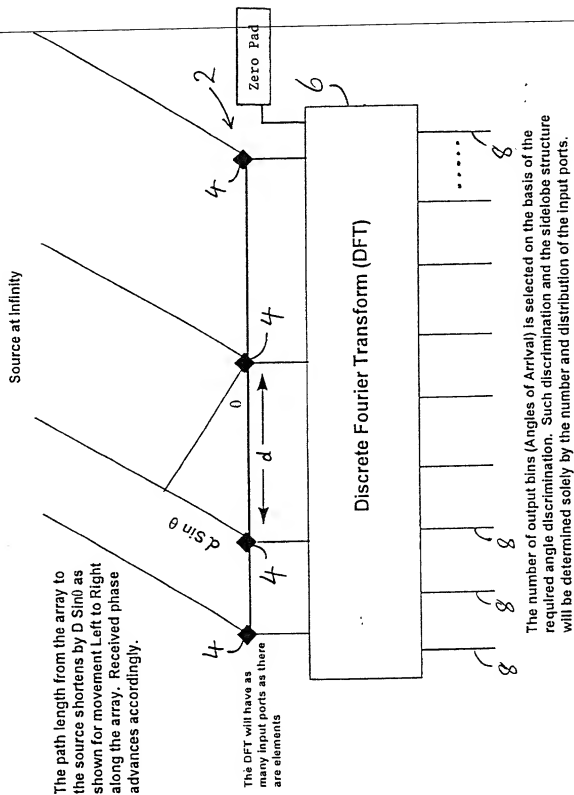


FIGURE 1

2/10

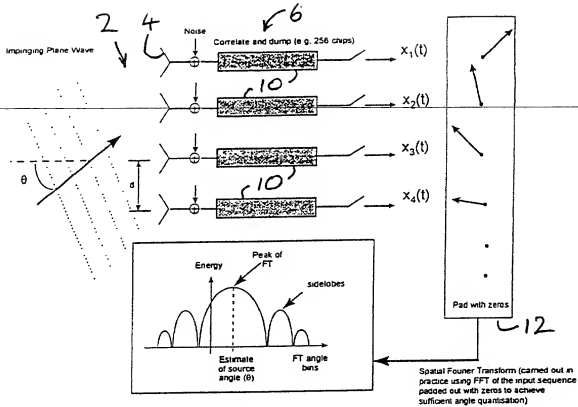


FIGURE 2

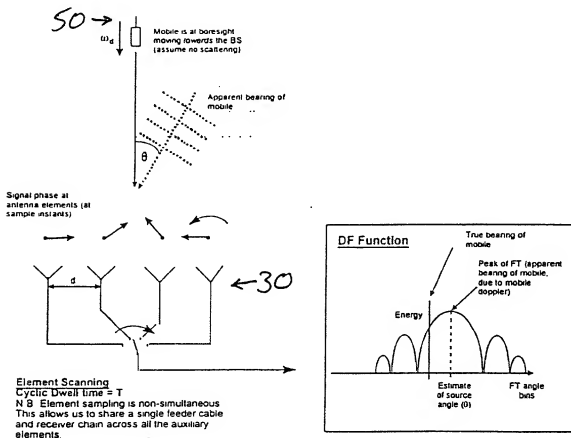


FIGURE 4

3/10

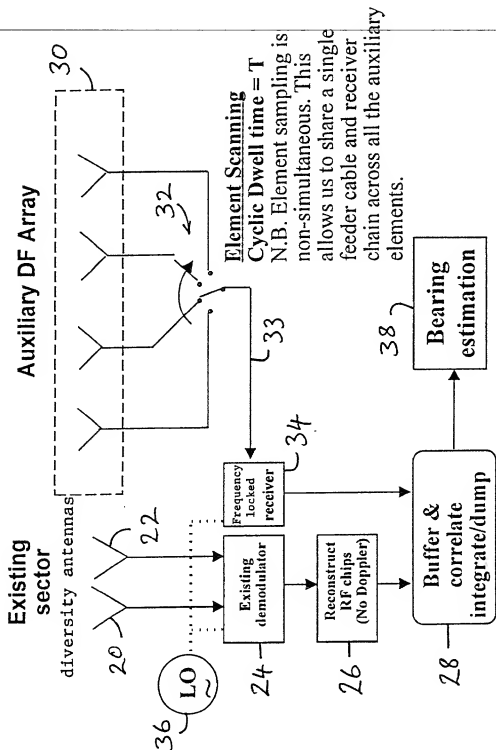


FIGURE 3

4/10

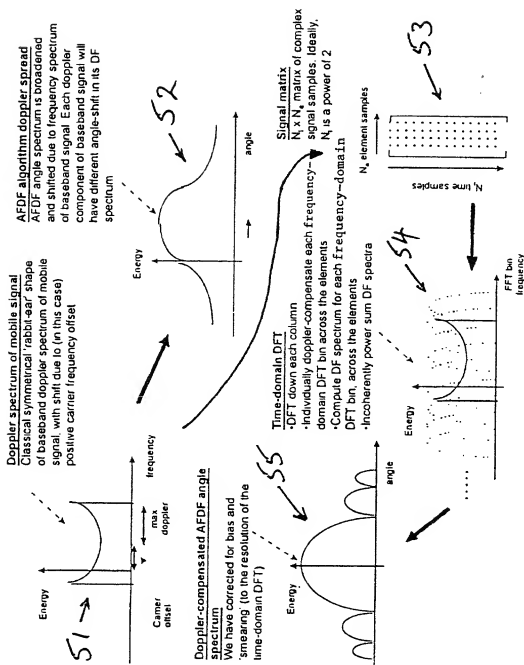


FIGURE 5

5/10

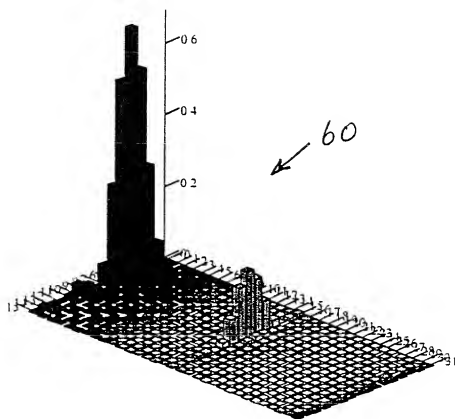
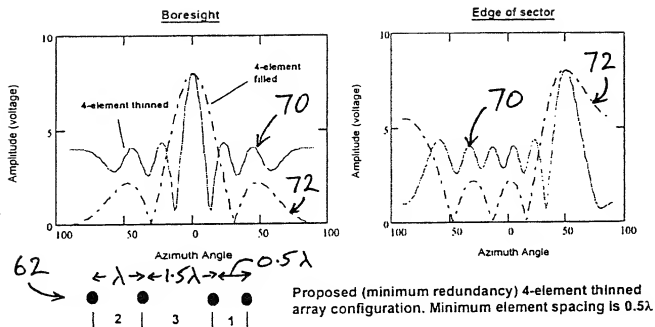


FIGURE 6

6/10



- The selected thinned array configuration biases elements towards the edge of the available aperture and achieves a -3dB beam width of 11° (N.B. Narrower beamwidth than a 7-element filled array due to the 'end-weighting').

- Peak sidelobes close to the -6dB target level are achieved even when the main beam is scanned towards the edge of the sector.

FIGURE 7

7/10

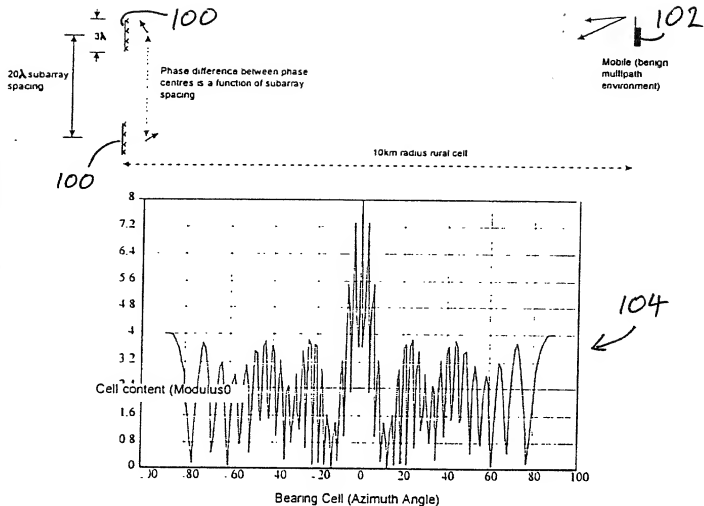


FIGURE 8

8/10

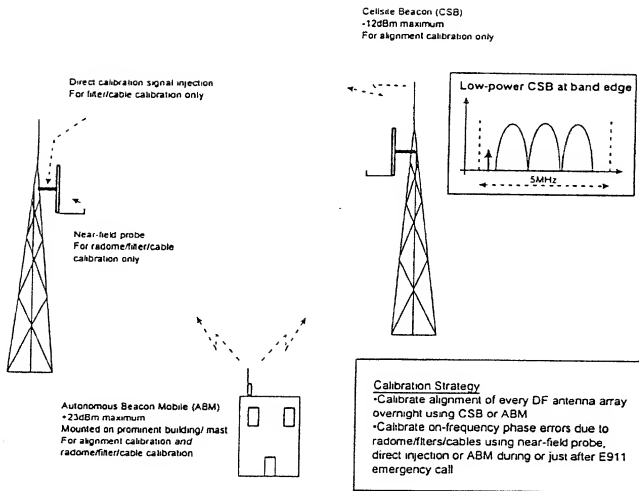


FIGURE 9

9/10

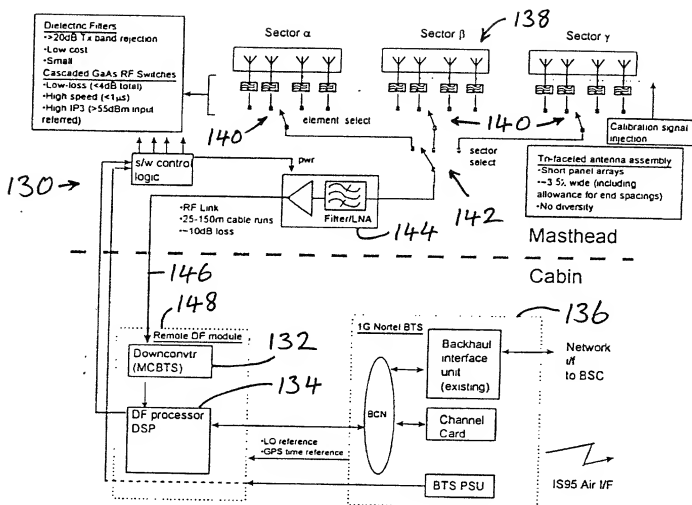


FIGURE 10

10/10

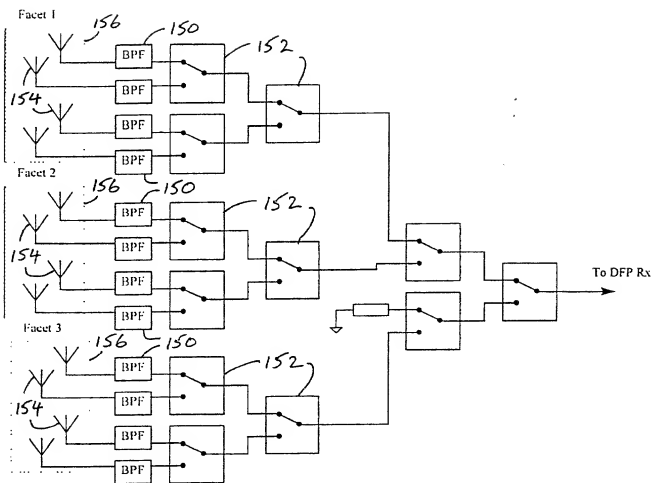


FIGURE 11